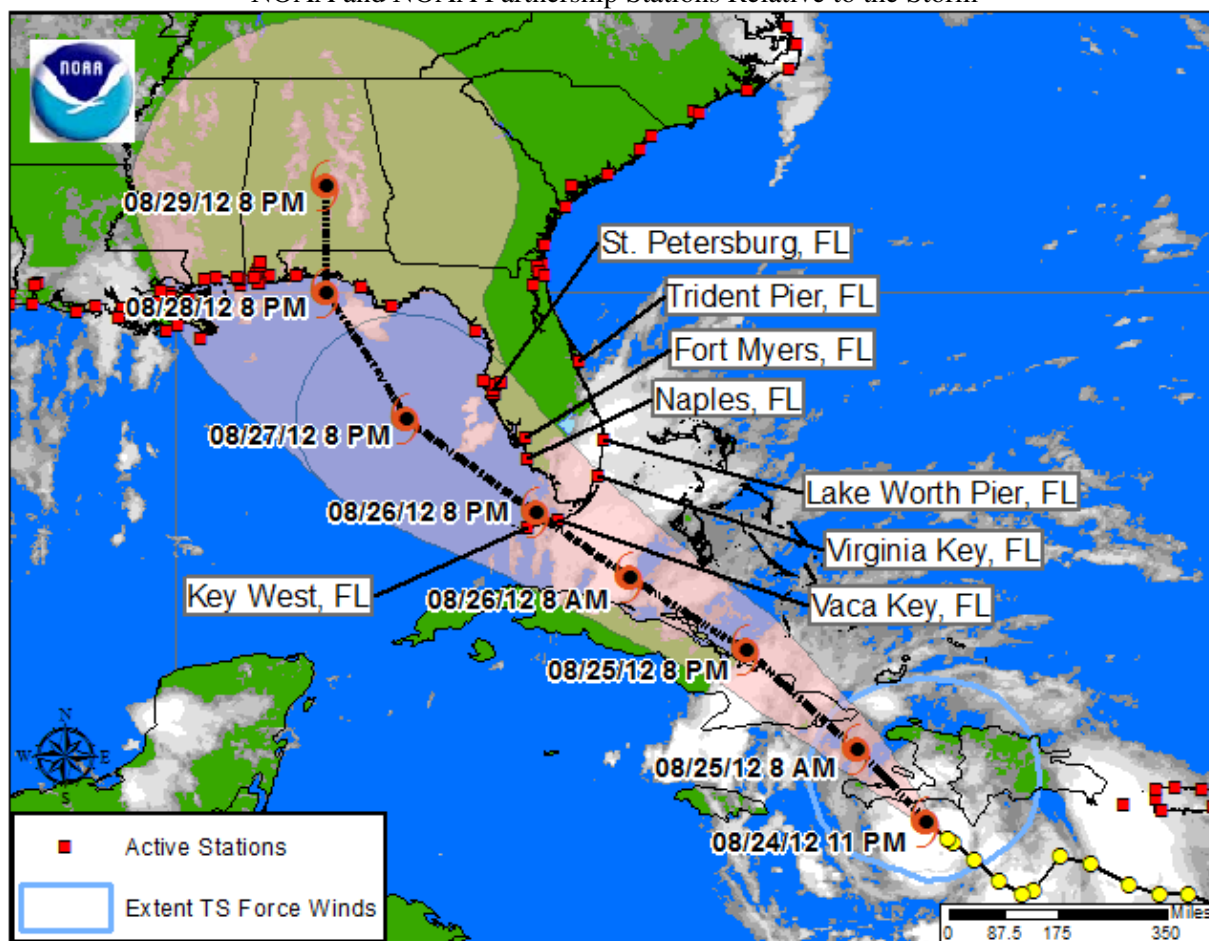




Tropical Storm ISAAC QuickLook  
Posted: 00:00 EDT 08/25/2012

NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

As of 08/25/2012 00:00 EDT, water levels along the central and southern coast of Florida are at or near predicted tide levels. Winds are increasing from Vaca Key to Lake Worth Pier, FL, with gusts between 20 to 30 knots. Barometric pressure is gradually falling at Vaca Key and Virginia Key, FL.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Key West, FL: Next predicted high tides are 2.1 ft (0.63 m) at 08/25/2012 04:08 EDT and 1.1 ft (0.33 m) at 08/25/2012 18:16 EDT.

Vaca Key, FL: Next predicted high tides are 1.2 ft (0.36 m) at 08/25/2012 07:29 EDT and 1.1 ft (0.35 m) at 08/26/2012 08:22 EDT.

Tropical Storm ISAAC QuickLook, POSTED 00:00 EDT 08/25/2012

Virginia Key, FL: Next predicted high tides are 2.2 ft (0.68 m) at 08/25/2012 03:32 EDT and 2.3 ft (0.70 m) at 08/25/2012 16:26 EDT.

Lake Worth Pier, FL: Next predicted high tides are 2.8 ft (0.85 m) at 08/25/2012 02:25 EDT and 3.2 ft (0.99 m) at 08/25/2012 15:26 EDT.

Trident Pier, FL: Next predicted high tides are 3.4 ft (1.03 m) at 08/25/2012 02:09 EDT and 4.3 ft (1.32 m) at 08/25/2012 15:05 EDT.

Naples, FL: Next predicted high tides are 3.0 ft (0.92 m) at 08/25/2012 06:34 EDT and 2.2 ft (0.67 m) at 08/25/2012 21:28 EDT.

Fort Myers, FL: Next predicted high tides are 1.6 ft (0.49 m) at 08/25/2012 10:03 EDT and 0.9 ft (0.28 m) at 08/26/2012 01:11 EDT.

St. Petersburg, FL: Next predicted high tides are 2.6 ft (0.80 m) at 08/25/2012 07:54 EDT and 2.6 ft (0.81 m) at 08/26/2012 09:18 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: CMF

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM ISAAC ADVISORY NUMBER 16  
1100 PM EDT FRI AUG 24 2012

...ISAAC GETTING BETTER ORGANIZED AS IT MOVES NORTHWESTWARD TOWARD HAITI...

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY...

A HURRICANE WATCH AND A TROPICAL STORM WARNING HAVE BEEN ISSUED FOR ALL OF THE FLORIDA KEYS...INCLUDING FLORIDA BAY...AND FOR THE COAST OF THE SOUTHERN FLORIDA PENINSULA FROM OCEAN REEF ON THE EAST COAST WESTWARD TO BONITA BEACH ON THE WEST COAST.

A TROPICAL STORM WARNING HAS BEEN ISSUED FOR THE SOUTHEAST FLORIDA COAST FROM NORTH OF OCEAN REEF NORTHWARD TO JUPITER INLET...AND FOR LAKE OKEECHOBEE.

A TROPICAL STORM WATCH HAS BEEN ISSUED FOR THE EAST-CENTRAL FLORIDA COAST FROM NORTH OF JUPITER INLET TO SEBASTIAN INLET.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WATCH IS IN EFFECT FOR...

- \* FLORIDA KEYS INCLUDING THE DRY TORTUGAS
- \* FLORIDA BAY
- \* THE FLORIDA EAST COAST FROM OCEAN REEF SOUTHWARD
- \* THE FLORIDA WEST COAST FROM BONITA BEACH SOUTHWARD

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- \* THE FLORIDA KEYS INCLUDING THE DRY TORTUGAS
- \* THE FLORIDA EAST COAST FROM JUPITER INLET SOUTHWARD
- \* THE FLORIDA WEST COAST FROM BONITA BEACH SOUTHWARD
- \* FLORIDA BAY AND LAKE OKEECHOBEE

A TROPICAL STORM WATCH IS IN EFFECT FOR...

- \* THE FLORIDA EAST COAST NORTH OF JUPITER INLET TO SEBASTIAN INLET

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...IN THIS CASE WITHIN THE NEXT 24 TO 36 HOURS.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...GENERALLY WITHIN 48 HOURS.

INTERESTS IN THE REMAINDER OF THE FLORIDA PENINSULA SHOULD MONITOR THE PROGRESS OF ISAAC.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

#### DISCUSSION AND 48-HOUR OUTLOOK

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AT 1100 PM EDT THE CENTER OF TROPICAL STORM ISAAC WAS LOCATED ABOUT 65 MI SSW OF PORT AU PRINCE HAITI OR ABOUT 245 MI SE OF GUANTANAMO CUBA. ISAAC IS MOVING TOWARD THE NORTHWEST NEAR 14 MPH BUT IS EXPECTED TO RESUME A FASTER FORWARD SPEED TOWARD THE NORTHWEST TONIGHT THROUGH SUNDAY. ON THE FORECAST TRACK...THE CENTER OF ISAAC SHOULD MAKE LANDFALL IN HAITI TONIGHT...MOVE NEAR OR OVER SOUTHEASTERN CUBA ON SATURDAY...MOVE NEAR OR OVER CENTRAL CUBA SATURDAY NIGHT...AND APPROACH THE FLORIDA KEYS ON SUNDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 70 MPH WITH HIGHER GUSTS. LITTLE CHANGE IN STRENGTH IS LIKELY BEFORE LANDFALL...FOLLOWED BY SOME WEAKENING AS THE CENTER CROSSES HAITI AND SOUTHEASTERN CUBA.

TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 230 MILES MAINLY NORTHWEST AND NORTHEAST OF THE CENTER.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 990 MB.

HAZARDS AFFECTING LAND

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RAINFALL...TOTAL RAIN ACCUMULATIONS OF 4 TO 8 INCHES...WITH MAXIMUM AMOUNTS OF 12 INCHES...ARE POSSIBLE ACROSS THE FLORIDA KEYS AND THE SOUTHERN PENINSULA OF FLORIDA.

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO REACH SOUTH FLORIDA AND THE FLORIDA KEYS ON SUNDAY. HURRICANE CONDITIONS ARE POSSIBLE OVER THE FLORIDA KEYS...FLORIDA BAY...AND THE SOUTHERNMOST FLORIDA PENINSULA BY SUNDAY EVENING.

STORM SURGE...THE COMBINATION OF A STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

SOUTH FLORIDA INCLUDING THE FLORIDA KEYS...2 TO 4 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST IN AREAS OF ONSHORE FLOW. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL WEATHER SERVICE OFFICE. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY DANGEROUS WAVES.

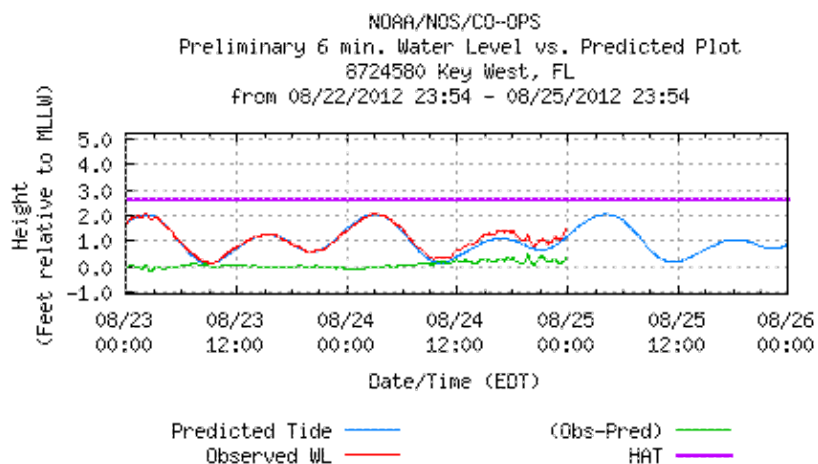
SURF...DANGEROUS SURF AND RIP CURRENT CONDITIONS WILL AFFECT PUERTO RICO AND THE EAST COAST OF FLORIDA AND THE FLORIDA KEYS DURING THE NEXT COUPLE OF DAYS. PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE FOR MORE INFORMATION.

FORECASTER STEWART

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Key West - Water Level](#), [Key West - Barometric](#), [Vaca Key - Water Level](#), [Vaca Key - Winds](#), [Vaca Key - Barometric](#), [Virginia Key - Water Level](#), [Virginia Key - Winds](#), [Virginia Key - Barometric](#), [Lake Worth Pier - Water Level](#), [Lake Worth Pier - Winds](#), [Lake Worth Pier - Barometric](#), [Trident Pier - Water Level](#), [Trident Pier - Winds](#), [Trident Pier - Barometric](#), [Naples - Water Level](#), [Naples - Winds](#), [Naples - Barometric](#), [Fort Myers - Water Level](#), [Fort Myers - Winds](#), [Fort Myers - Barometric](#), [St. Petersburg - Water Level](#), [St. Petersburg - Winds](#), [St. Petersburg - Barometric](#),

[Key West, FL - Return to List](#)

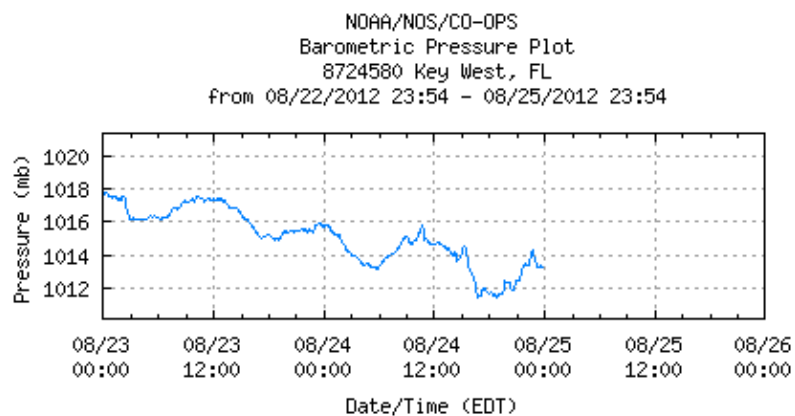


Last Observed Sample: 08/24/2012 23:48 (EDT)

Relative to MLLW: **Observed: 1.48 ft.** **Predicted: 1.15 ft.** **Residual: 0.33 ft.**

Historical Maximum Water Level: Oct 24 2005, 3.14 ft. above MHHW

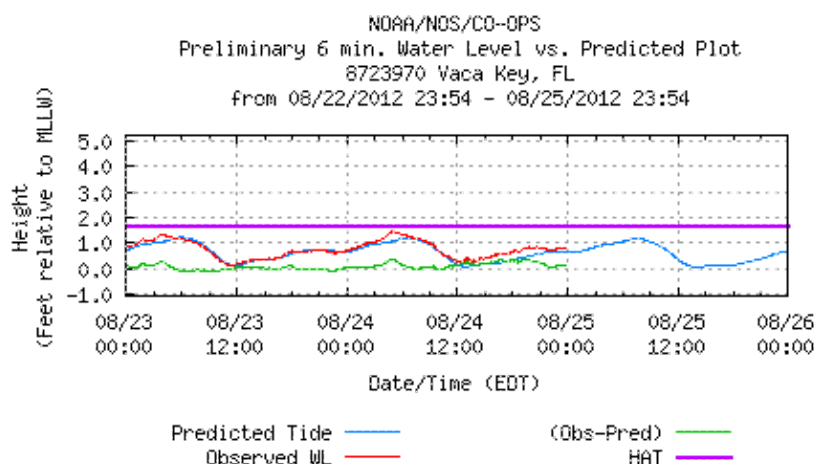
[Key West, FL - Return to List](#)



Last Observed Sample: 08/24/2012 23:48 (EDT)

**Barometric Pressure: 1013.2 mb**

Vaca Key, FL - Return to List

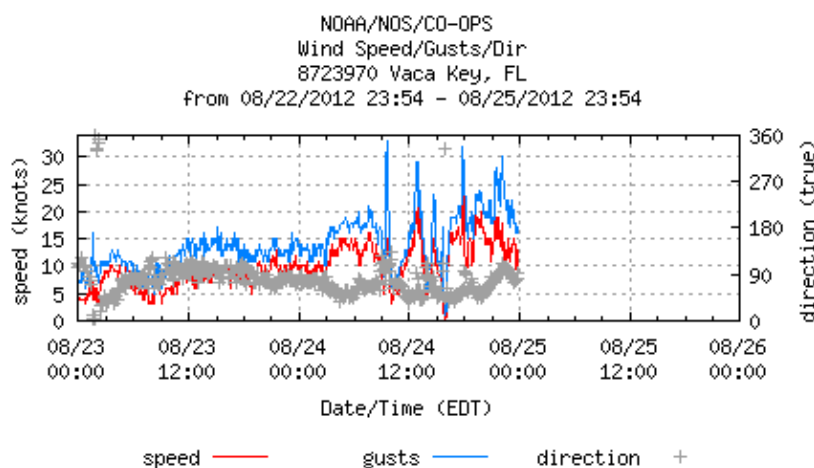


Last Observed Sample: 08/24/2012 23:48 (EDT)

Relative to MLLW: **Observed: 0.81 ft.** **Predicted: 0.66 ft.** **Residual: 0.15 ft.**

Historical Maximum Water Level: Oct 24 2005, 5.8 ft. above MHHW

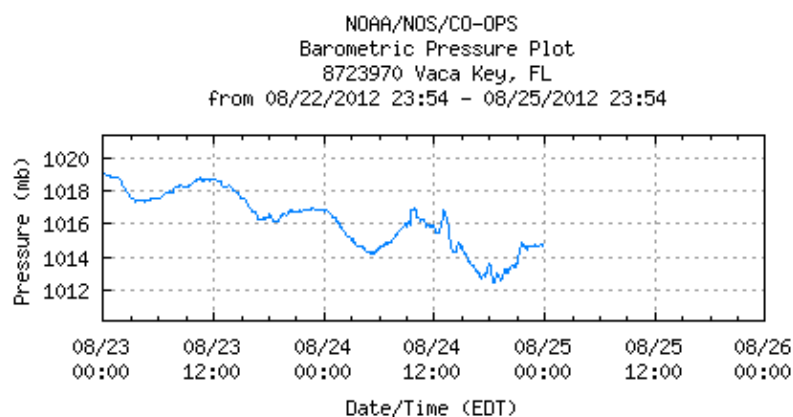
Vaca Key, FL - Return to List



Last Observed Sample: 08/24/2012 23:48 (EDT)

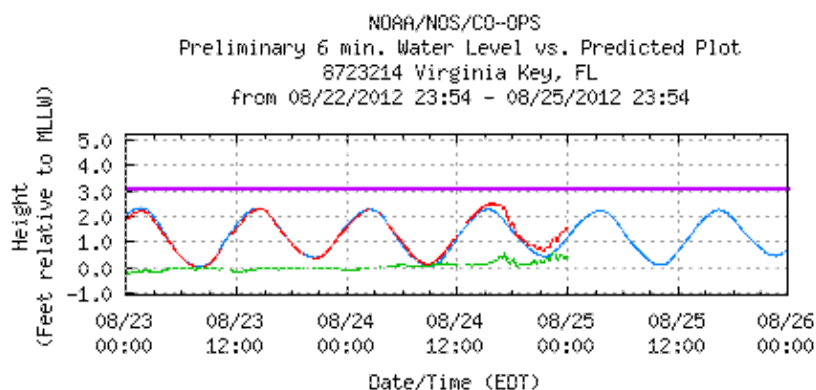
**Wind Speed: 13 knots** **Gusts: 17 knots** **Direction: 81° T**

Vaca Key, FL - Return to List



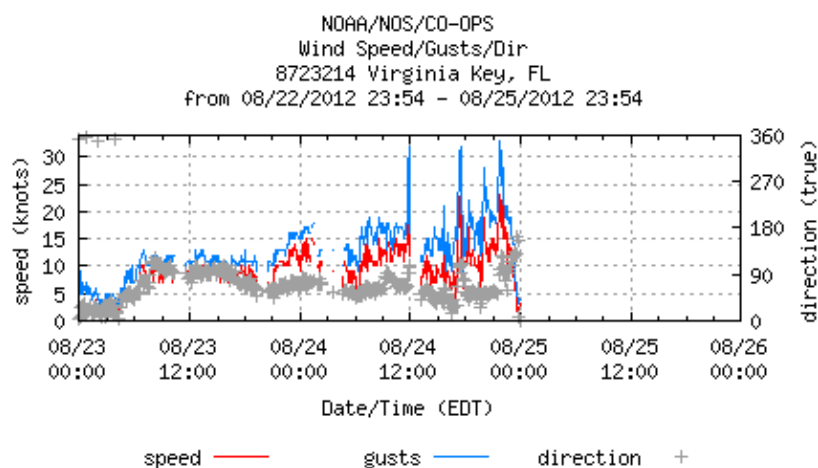
barometric pressure —  
Last Observed Sample: 08/24/2012 23:48 (EDT)  
Barometric Pressure: 1014.6 mb

Virginia Key, FL - Return to List



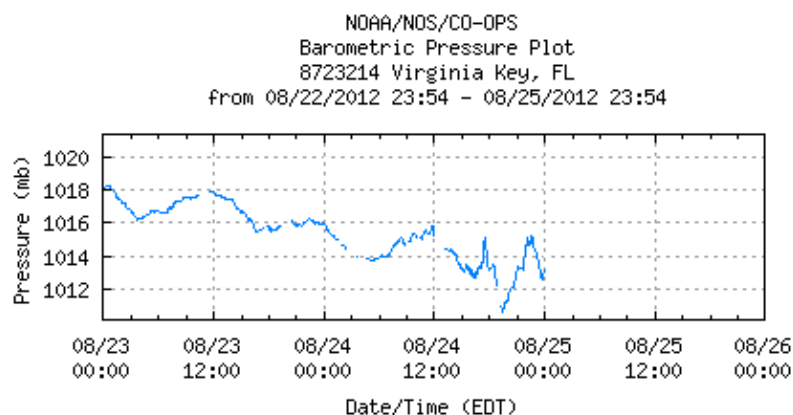
Predicted Tide — (Obs-Pred) —  
Observed WL — HAT —  
Last Observed Sample: 08/24/2012 23:54 (EDT)  
Relative to MLLW: **Observed: 1.58 ft.** **Predicted: 1.17 ft.** **Residual: 0.41 ft.**  
Historical Maximum Water Level: Oct 24 2005, 2.58 ft. above MHHW

Virginia Key, FL - Return to List



Last Observed Sample: 08/24/2012 23:54 (EDT)  
Wind Speed: 3 knots Gusts: 4 knots Direction: 1° T

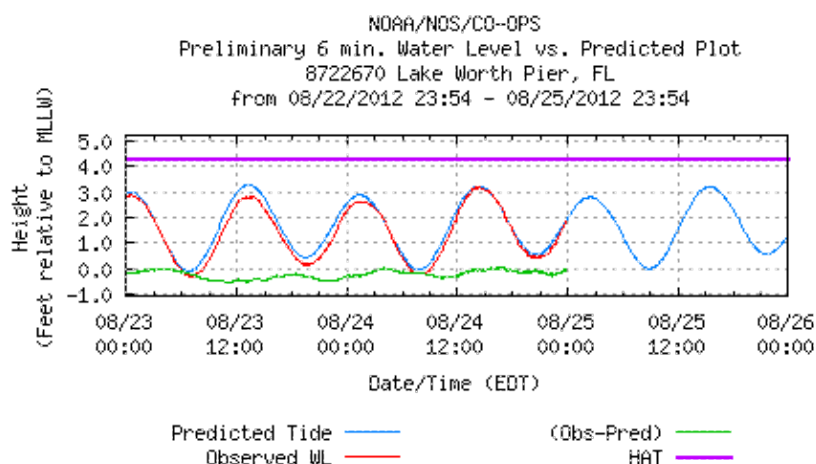
Virginia Key, FL - Return to List



Last Observed Sample: 08/24/2012 23:54 (EDT)  
Barometric Pressure: 1013.1 mb



Lake Worth Pier, FL - Return to List

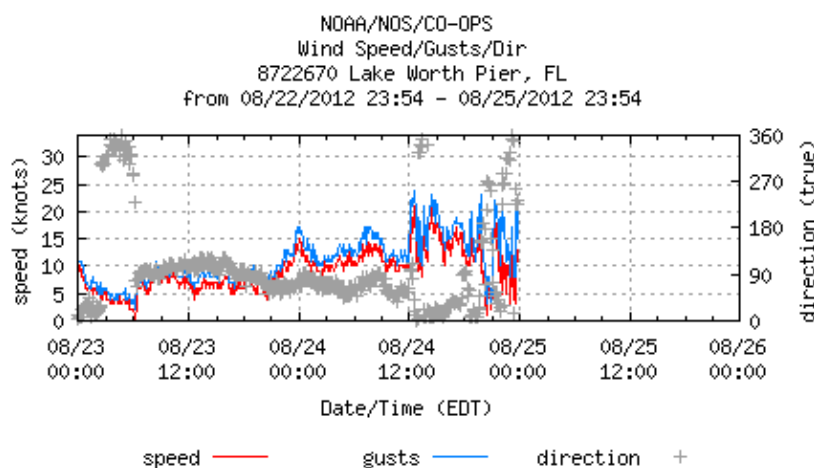


Last Observed Sample: 08/24/2012 23:48 (EDT)

Relative to MLLW: **Observed: 1.82 ft.** **Predicted: 1.89 ft.** **Residual: -0.07 ft.**

Historical Maximum Water Level: Nov 23 1984, 1.88 ft. above MHHW

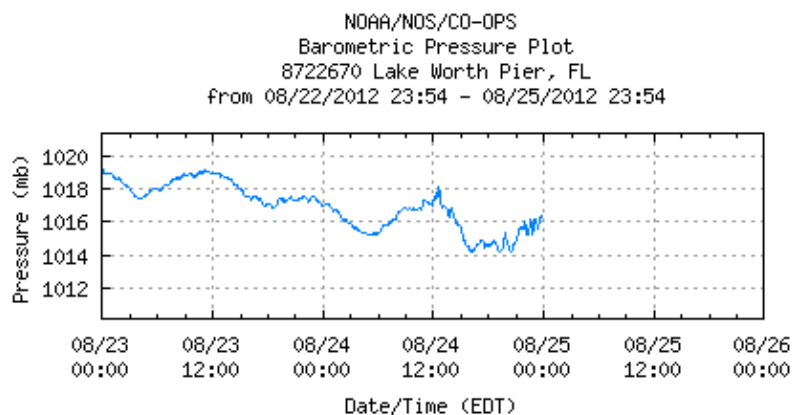
Lake Worth Pier, FL - Return to List



Last Observed Sample: 08/24/2012 23:48 (EDT)

**Wind Speed: 11 knots** **Gusts: 15 knots** **Direction: 225° T**

Lake Worth Pier, FL - Return to List

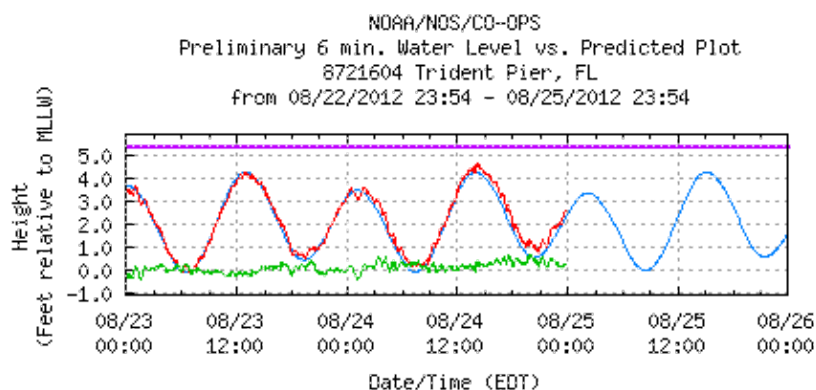


barometric pressure —

Last Observed Sample: 08/24/2012 23:48 (EDT)

Barometric Pressure: 1016.3 mb

Trident Pier, FL - Return to List



Predicted Tide —

Observed WL —

(Obs-Pred) —

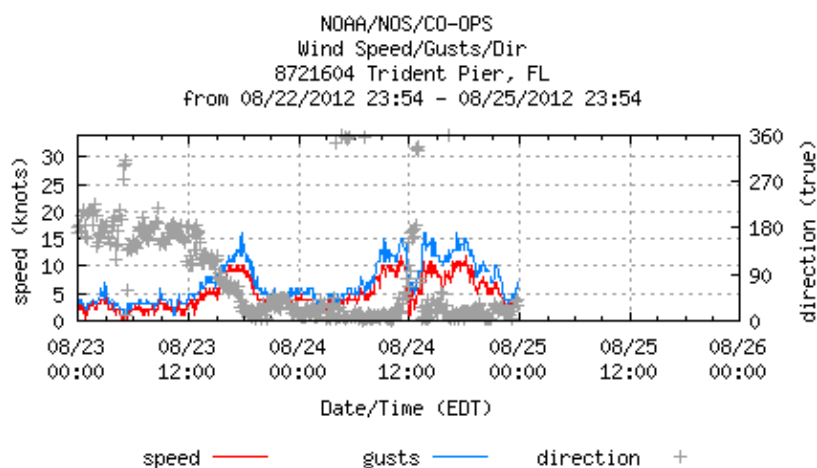
HAT —

Last Observed Sample: 08/24/2012 23:48 (EDT)

Relative to MLLW: **Observed: 2.61 ft.** **Predicted: 2.34 ft.** **Residual: 0.27 ft.**

Historical Maximum Water Level: Sep 26 2004, 4.01 ft. above MHHW

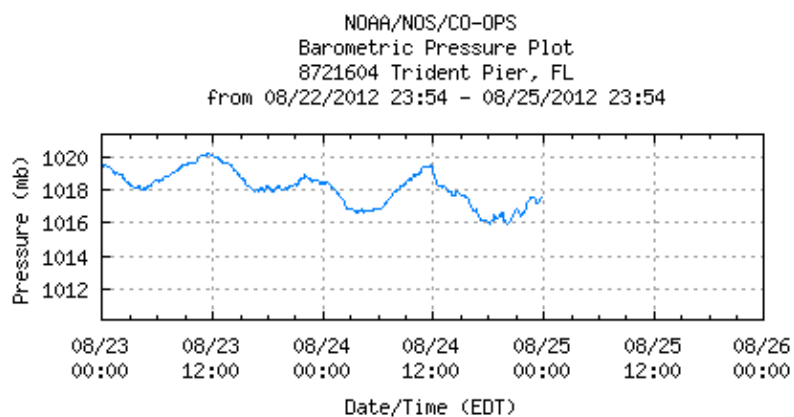
Trident Pier, FL - Return to List



Last Observed Sample: 08/24/2012 23:48 (EDT)

Wind Speed: 4 knots Gusts: 6 knots Direction: 29° T

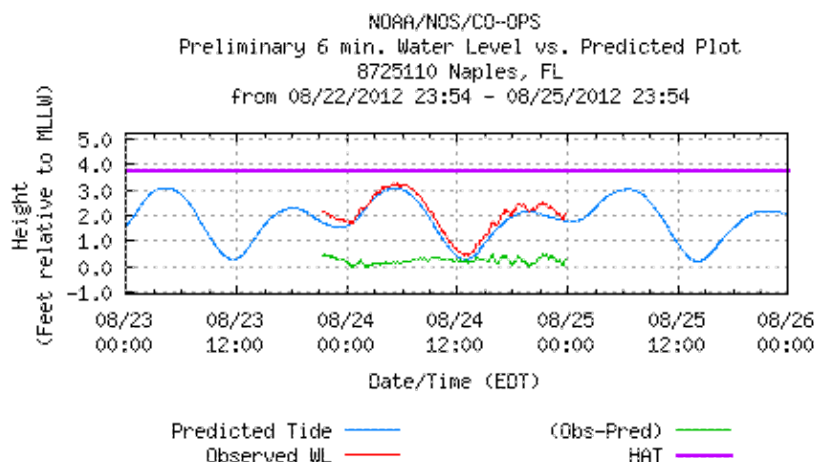
Trident Pier, FL - Return to List



Last Observed Sample: 08/24/2012 23:48 (EDT)

Barometric Pressure: 1017.6 mb

Naples, FL - Return to List

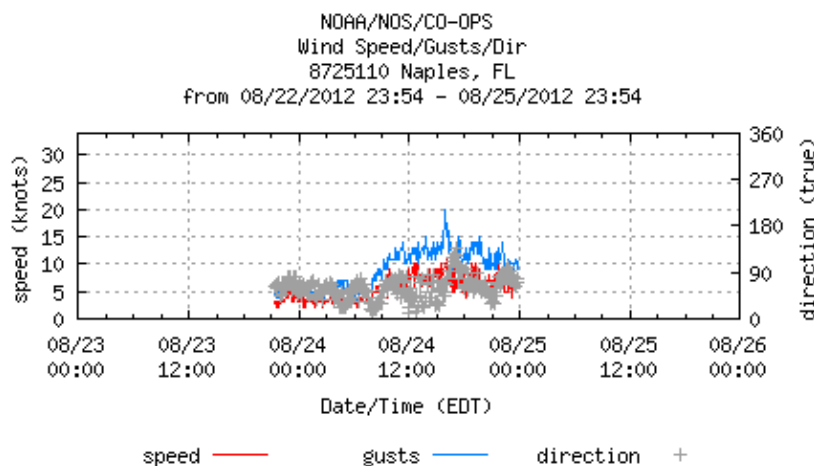


Last Observed Sample: 08/24/2012 23:48 (EDT)

Relative to MLLW: **Observed: 2.09 ft.** **Predicted: 1.79 ft.** **Residual: 0.30 ft.**

Historical Maximum Water Level: Dec 21 1972, 3.11 ft. above MHHW

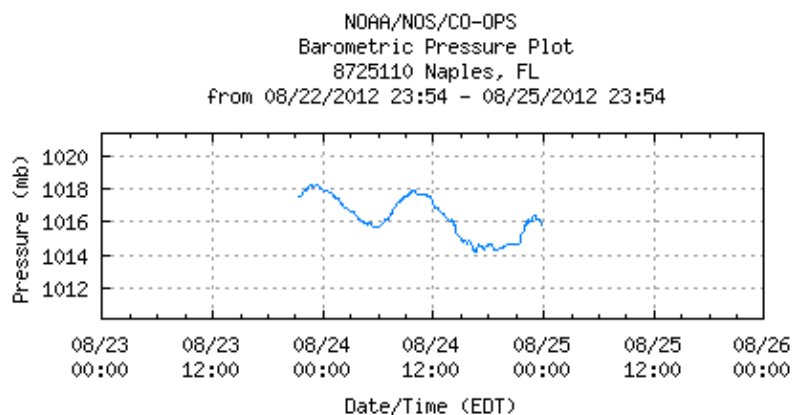
Naples, FL - Return to List



Last Observed Sample: 08/24/2012 23:48 (EDT)

**Wind Speed: 6 knots** **Gusts: 9 knots** **Direction: 77° T**

Naples, FL - Return to List

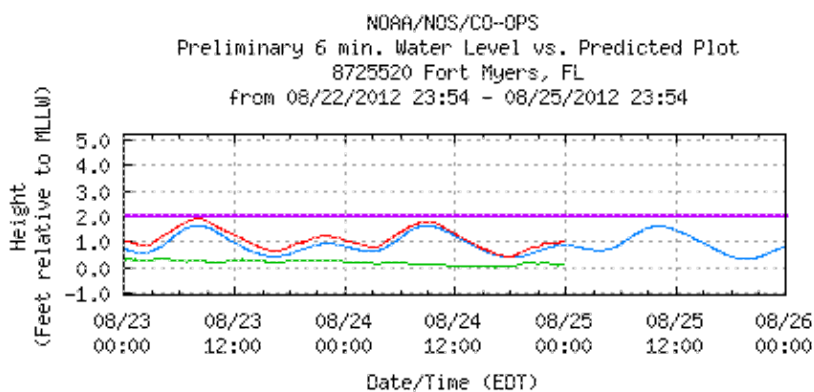


barometric pressure —

Last Observed Sample: 08/24/2012 23:48 (EDT)

Barometric Pressure: 1015.8 mb

Fort Myers, FL - Return to List



Predicted Tide —

Observed WL —

(Obs-Pred) —

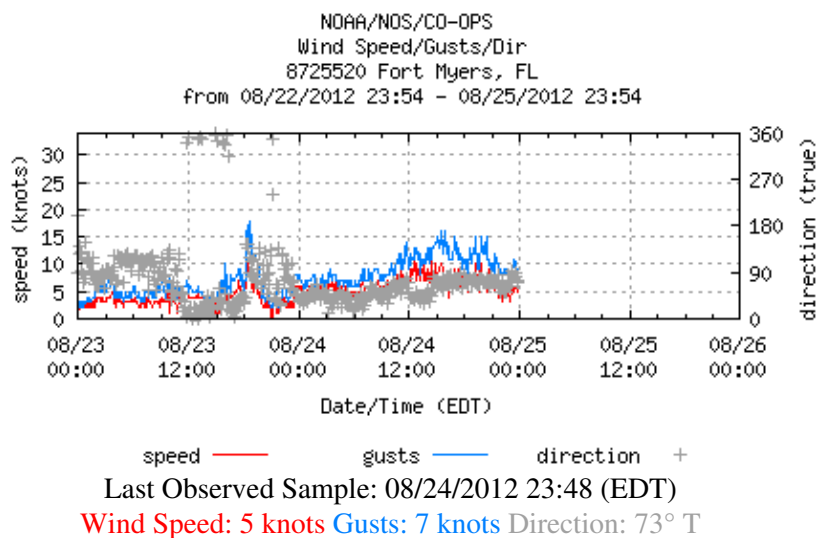
HAT —

Last Observed Sample: 08/24/2012 23:48 (EDT)

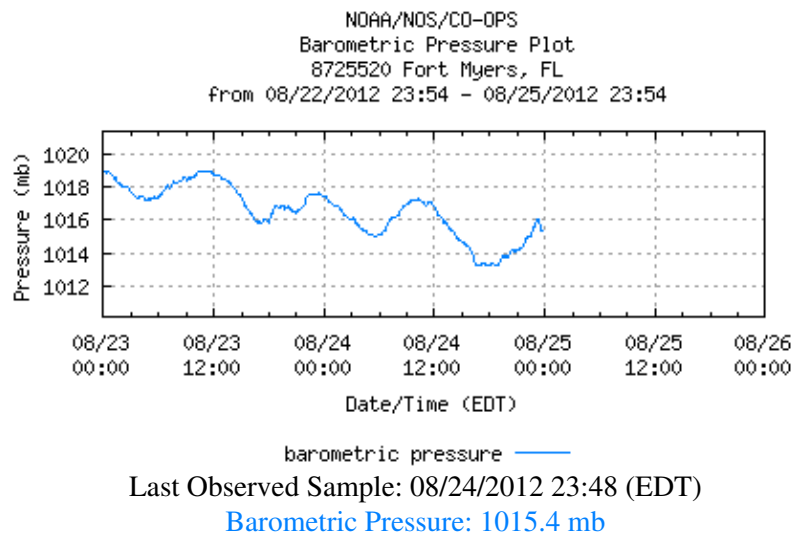
Relative to MLLW: **Observed: 1.05 ft.** **Predicted: 0.88 ft.** **Residual: 0.17 ft.**

Historical Maximum Water Level: Nov 23 1988, 3.41 ft. above MHHW

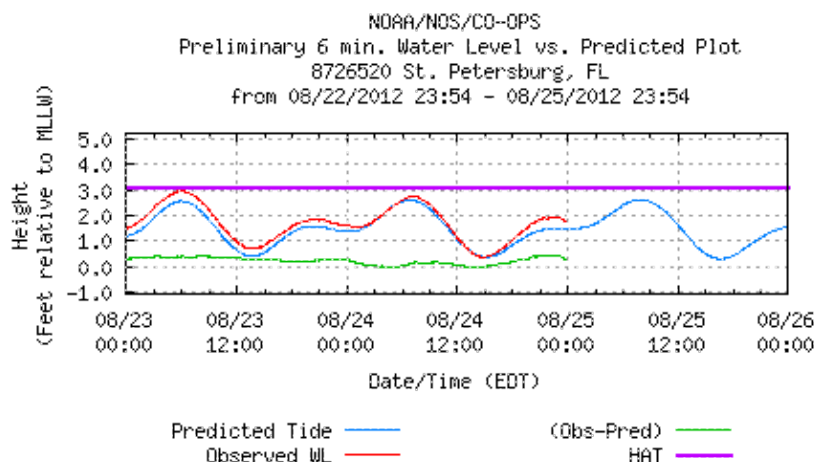
Fort Myers, FL - Return to List



Fort Myers, FL - Return to List



St. Petersburg, FL - Return to List

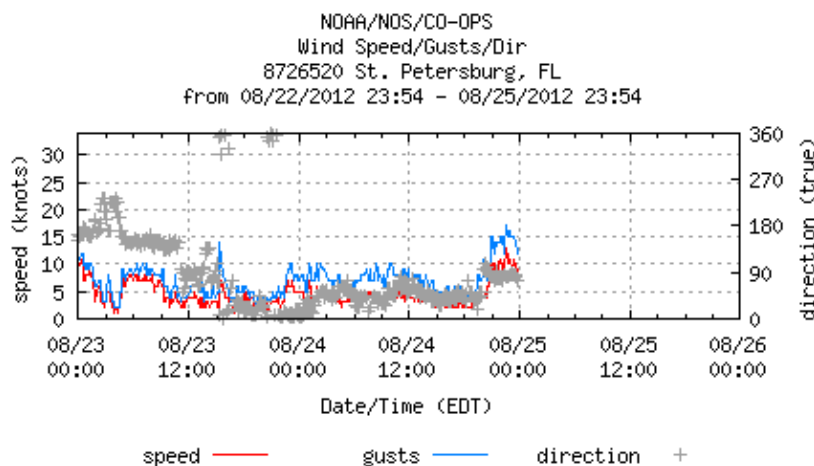


Last Observed Sample: 08/24/2012 23:48 (EDT)

Relative to MLLW: **Observed: 1.76 ft.** **Predicted: 1.50 ft.** **Residual: 0.26 ft.**

Historical Maximum Water Level: Aug 31 1985, 4 ft. above MHHW

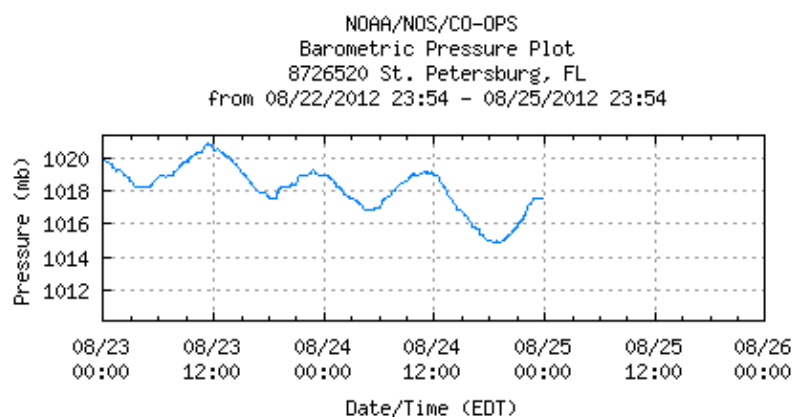
St. Petersburg, FL - Return to List



Last Observed Sample: 08/24/2012 23:48 (EDT)

**Wind Speed: 8 knots** **Gusts: 12 knots** **Direction: 73° T**

St. Petersburg, FL - Return to List



barometric pressure —

Last Observed Sample: 08/24/2012 23:48 (EDT)

Barometric Pressure: 1017.6 mb

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce